

Figure 1

CLUSTAL W(1.4) multiple sequence alignment of
FOX C2 RT (SEQ ID NO:1) and FOX C3 RT (SEQ ID NO:2)

FOX C2 RT	MNQISKNDSDLVLDQDEMGGKKTFESERKSLSGWDFKSLGSIGRLPHFSRGIELREVKA	60

FOX C3 RT	MNQISKNDSDLVLDQDEIGGKKTFESERKSSSGWDYFKSLGSIGRLPHFNRGMELKEVKRA	60

FOX C2 RT	NRYLAFQEQRIVSAIEAGEIRKAVLVWLCLMKVSRSYQILLFNRVCKGKYWRSTARVEE	120

FOX C3 RT	NRYLAFQEKRIVTAVEQGEIRKAVLVWLCLMKISRSYQILLFNRVCKGKYWRWSSARVEE	120

FOX C2 RT	IIFGAMNMKMRSAWMKLLIHRFYILKKNGKMRPIGANYESRMISKALTDMLYSITEKSRS	180

FOX C3 RT	VIFGAMNMKMRSAWMKLLIHRFYILKKNGKMRPIGANYESRMISKALTDLVTTEKSRS	180

FOX C2 RT	AEQHGYMKRGAWSAILECLSKEGYAGYEFDLKSFNTVEPFIYFRKLEEVDDKLTKL	240

FOX C3 RT	AEQHGYMKRGAWSAILECLSKEGYAGYEFDLKSFNTVEPFIYFRKLEEVDDKLTKV	240

FOX C2 RT	ISNVIKGIEYRFSELLPESELNPKANRKNTLERTGVPQGLSLSPLLSTWALEYYGRPENL	300

FOX C3 RT	ISNVIKGIEYRFTELLPESELNPKGKRKNTLVRTGVPQGLSLSPLLSTWALEYYGRPENL	300

FOX C2 RT	IMYADDGIYFFKHNISKFTRWIERMGRAGIEISPEKSGSLTPVFKFCGVTIDQPKRLVTY	360

FOX C3 RT	IMYADDGIYFFRHNISKFTRWLERMSRAGIEIAPEKSGSLKPVFKFCGVEIDQVKRLVTY	360

FOX C2 RT	EGQSVSDNPELEKWLKSINNLGYTKKEPEWSWTVGESFITKRKLNLTWMEIVKVYWFR	420

FOX C3 RT	DKQSVSDNPDLEPWLSIHNLGYTKKEPEWSWTVDQNAFITKRNLNITWMETLKVYWFR	420

FOX C2 RT	IIHGKMWNGYTVFLASGWRILDIFGSSSWACNELLMEVKRRREELESIKTFGLEKAEYEA	480

FOX C3 RT	IVEGKMWNGYTVFLTSGWRVLDIFGSSSWSCNELLKIIKERKNELESIKAFGLEKAEYEA	480

FOX C2 RT	FSYAPVRKGGSYRRHYNNNGAQETANKQEYWEIMQFHNLKRQQLRAII	527

FOX C3 RT	FSYAPVRKGGSYRRHYNNNGAPKTVNKQEYWEIMEFHNLRRQQLRAII	527

Figure 2

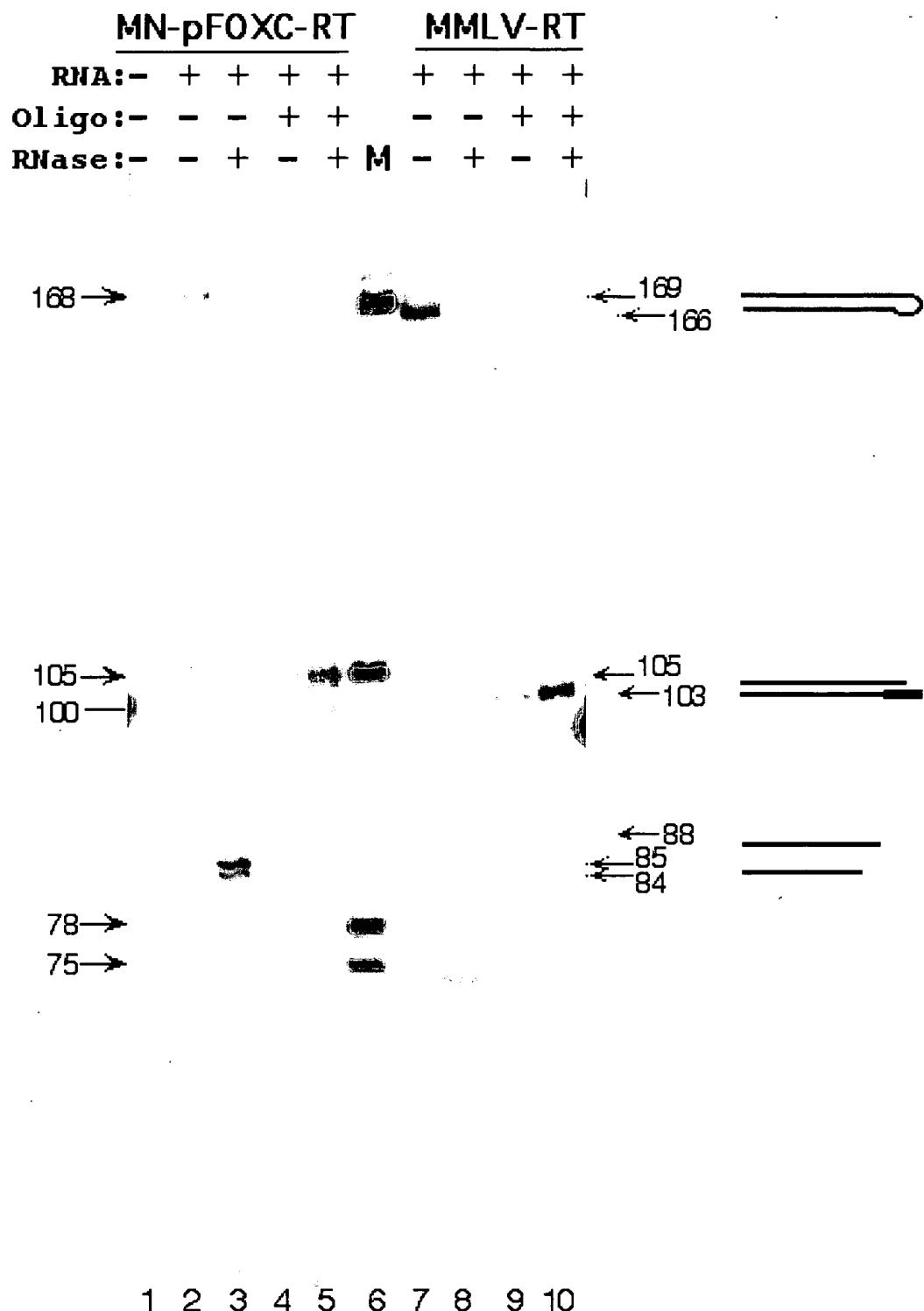


Figure 3

A

$\frac{dA^*}{+ dCGT \quad dCT}$ $3R^*$

+ ddT ddG

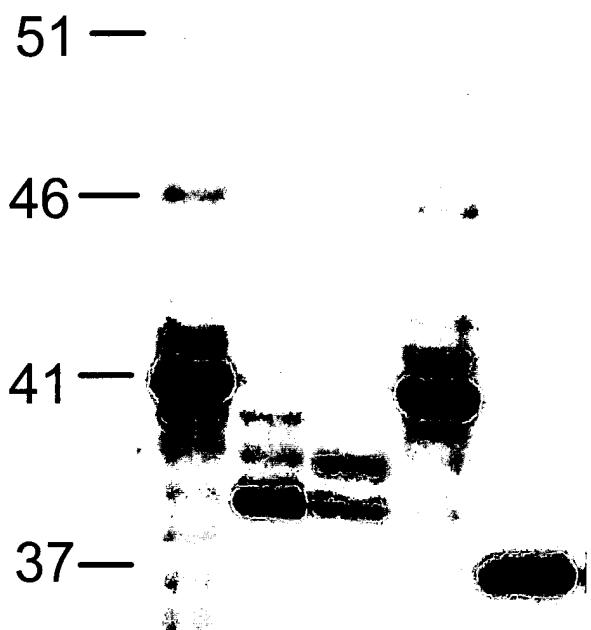


Figure 4

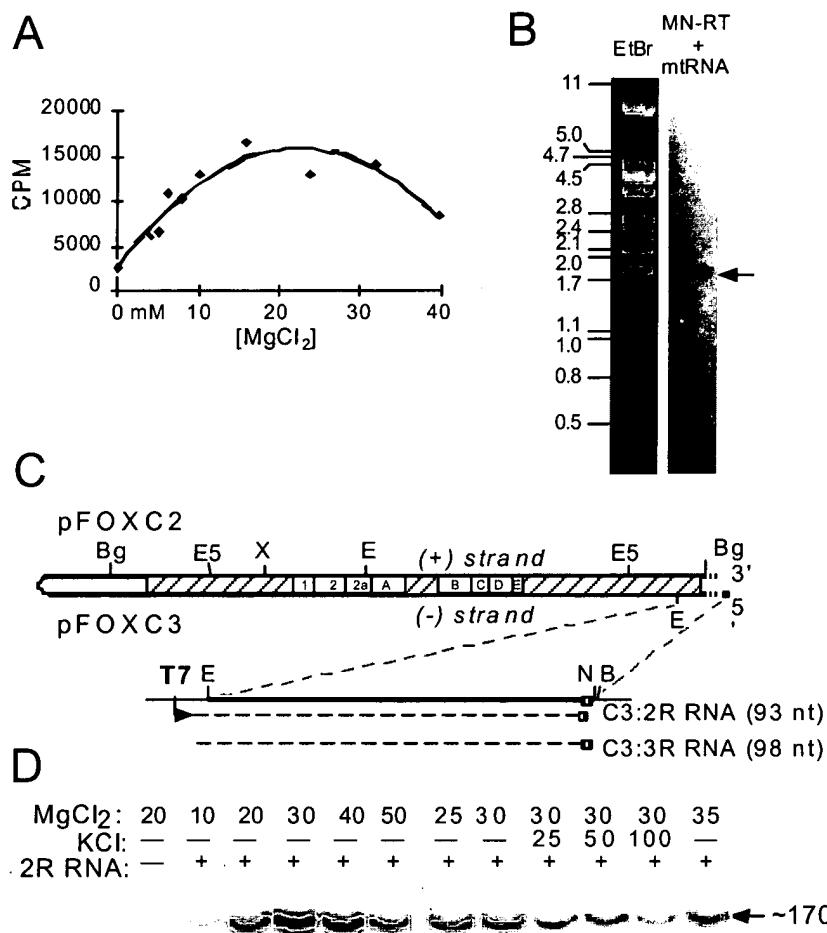
B

3R oligo (37 nt)

		Nts in Rx	(Size)
3'	GGTTAATCAGATCTAGATTAGATTAGTACCTAGG	5'	
5'	: : : : :	dA* + dCGT	(41)
	GGATCCATGTAGATTAGATTAGACTAAATTGGatcc	dA*	(38)
	GGATCCATGTAGATTAGATTAGACTAAATTGGa	dA* + ddT	(39)
	GGATCCATGTAGATTAGATTAGACTAAATTGGat	dA* + dCT + ddG	(41)
	GGATCCATGTAGATTAGATTAGACTAAATTGGatcc		
	GGTTAATCAGATCTAGATTAGATTAGTACCTAGG	5'	
3'	GGATCCATGTAGATTAGATTAGACTAAATTGGcatggatcc	dA* + dCGT	(46)
5'	: : : : : : :	dA*	(-)
	GGATCCATGTAGATTAGATTAGACTAAATTGG	dA* + ddT	(-)
	GGATCCATGTAGATTAGATTAGACTAAATTGG	dA* + dCT + ddG	(41)
	GGATCCATGTAGATTAGATTAGACTAAATTGGcatg		
	GGTTAATC-AGATCTAGATTAGATTAGATGTACCTAGG	5'	
	: : : : :		
	GGATCCATGTAGATTAGATTAGATCTAGA-CTAATTGGatctacatggatcc	dA* + dCGT	(51)
	GGATCCATGTAGATTAGATTAGATCTAGA-CTAATTGGa	dA*	(38)
	GGATCCATGTAGATTAGATTAGATCTAGA-CTAATTGGat	dA* + ddT	(39)
	GGATCCATGTAGATTAGATTAGATCTAGA-CTAATTGGatcatcatg	dA* + dCT + ddG	(46)

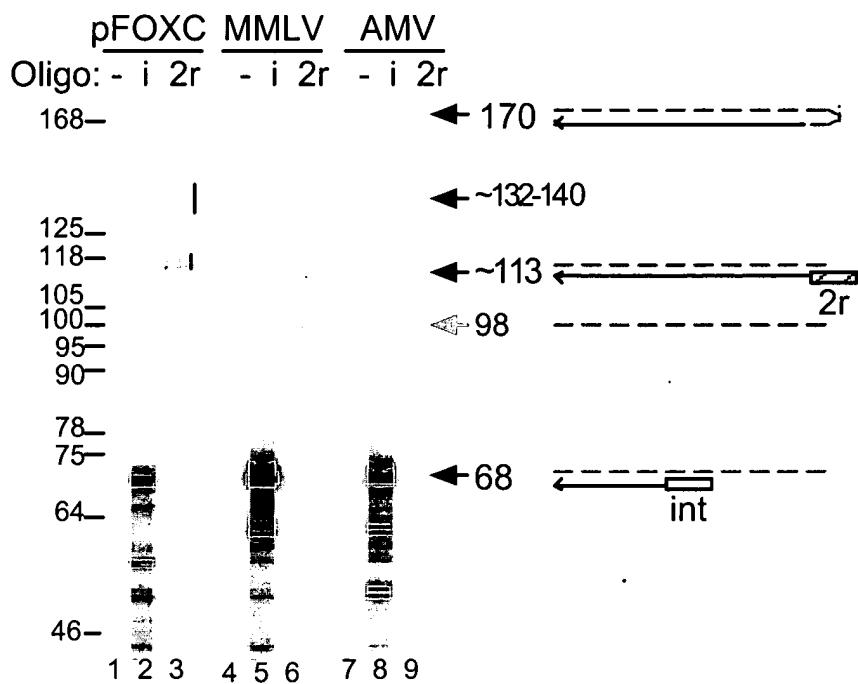
Figure 4

Figure 5



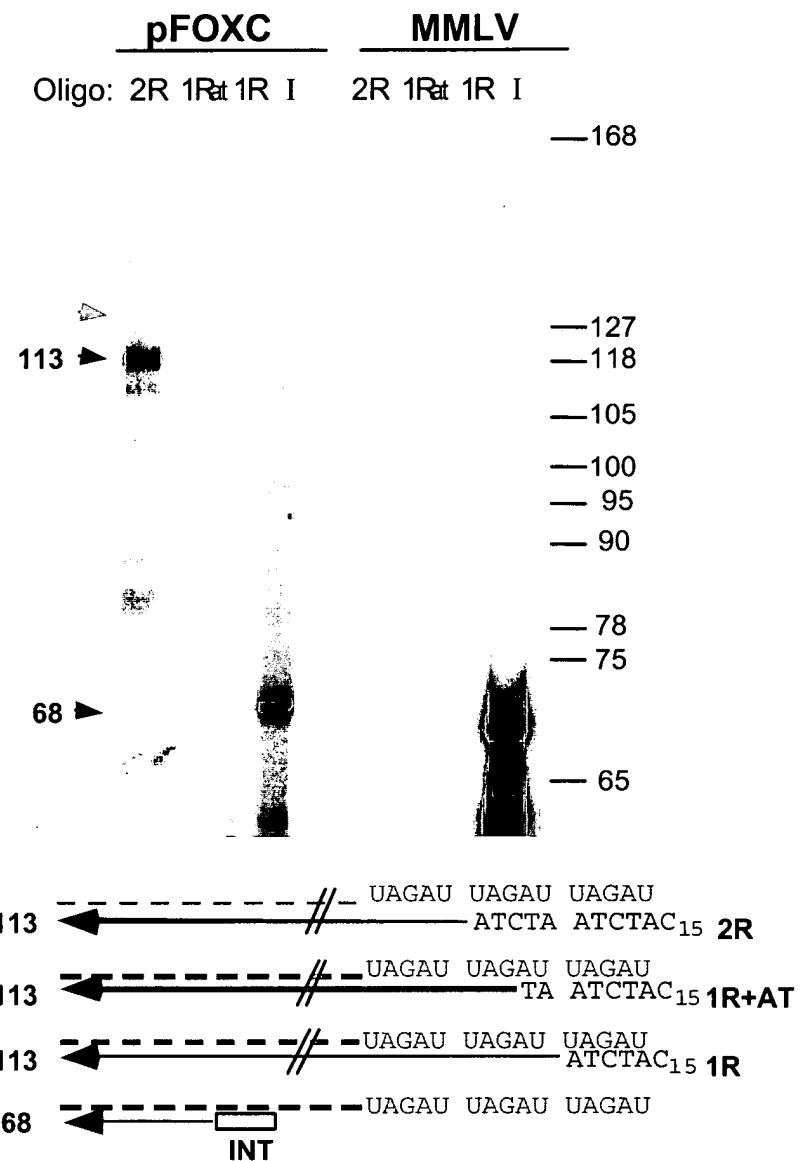
DETCT AVAILABLE COPY

Figure 6



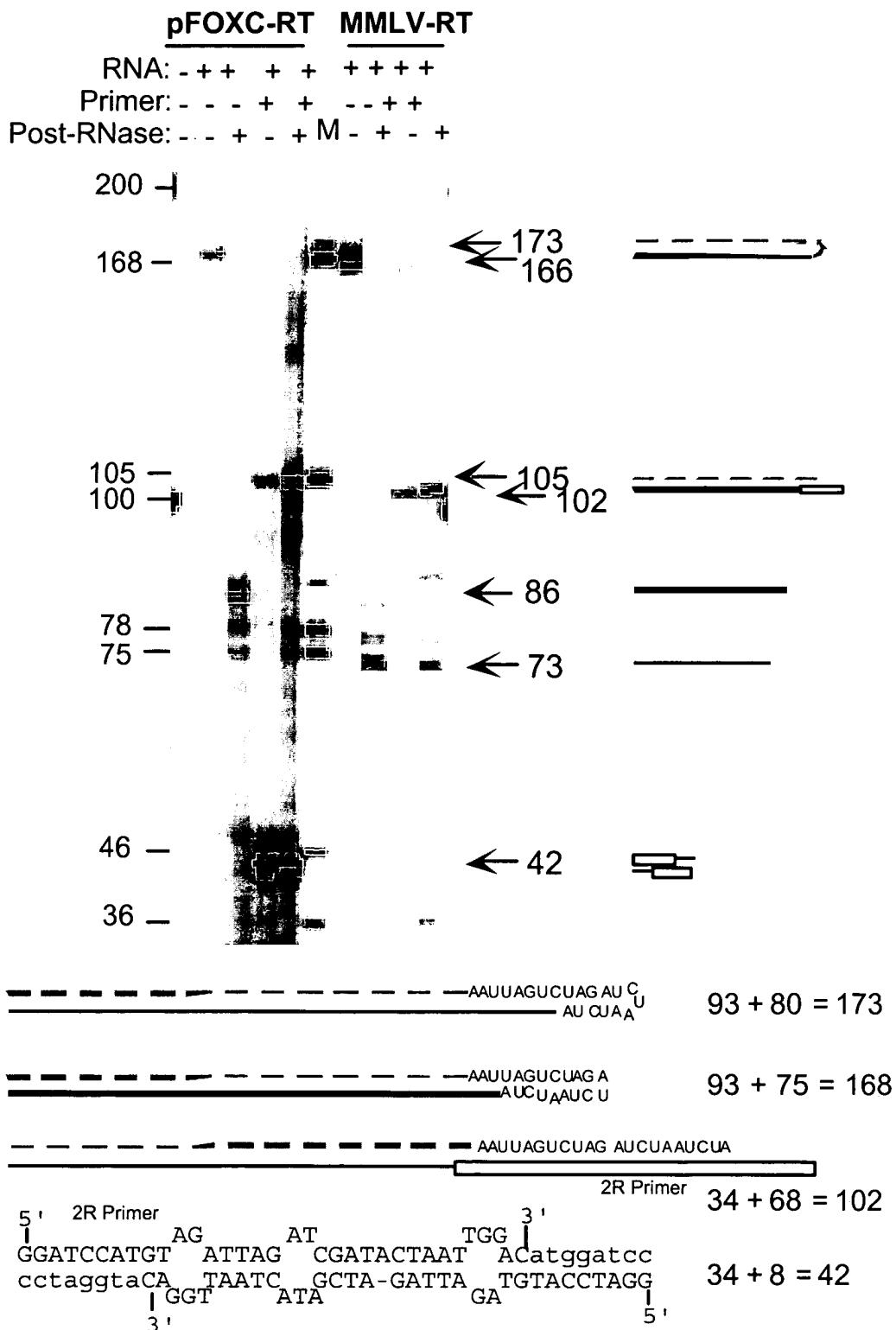
DECT AMV ADL E CCPY

Figure 7



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Figure 8



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